



## Solution

**Title (customer effect)** Volvo Chassis - Diagnostic Trouble Code ( DTC ) P226C Intermittently Lighting The Malfunction Indicator Lamp ( MIL ) - **OBD15 And US14+OBD16 (Non-Common Rail Fuel System) Conventional Chassis**

**Cause** OBD15 and US14+OBD16 (Commonly Model Year 2016 and 2017) chassis may intermittently log DTC P226C

**Solution**

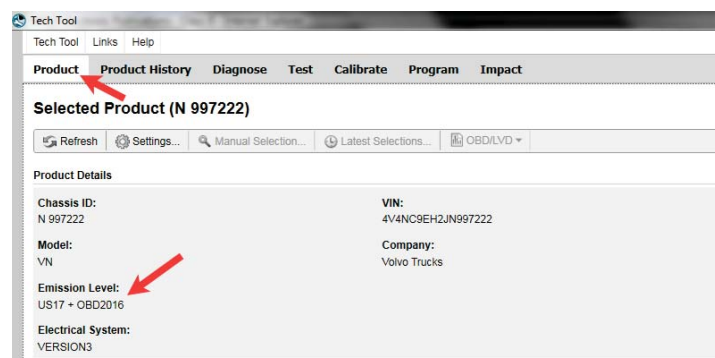
### Overview

OBD15 and OBD16 (pre-common rail) conventional chassis may log DTC P226C during operation. The diagnostic process that this DTC sets for is the monitor of boost pressure change under sudden changes in engine load. The code is likely to set intermittently and it may be difficult or not possible to duplicate during diagnosis. Guided Diagnostics may result in No Fault Found (NFF). This issue is more likely to be observed in chassis with a 13L engine and a lower power rating, and chassis with dual torque engine ratings. This code will not affect performance or driveability. **Turbocharger replacement is not a valid repair for this code.**

### Repair

#### Verify the chassis emissions level

- Details can be found in the Product Details box on the Product tab in PTT as seen below:



#### For OBD15 And US14+OBD16 Chassis:

- Software improvements have been released to address this code. If P226C is present and there are no other symptoms to indicate a physical issue, software should be checked and updated as necessary.
- **One or two modules can be affected by this update. Ensure the proper instructions are followed:**

- **If the chassis has had containment software loaded previously:**

- Reprogram the Engine Control Module ( EMS ) **ONLY**

- **If the chassis has not had software containment**

- Reprogram the following modules in the order listed.
  1. Engine Control Module ( EMS )
  2. Aftertreatment Control Module ( ACM )

- If the chassis returns for frequent recurrence of the code following the software update, normal Guided Diagnostic procedures will need to be followed.

|                                          |                                                                                                                                                                   |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Internal comments (FO)                   | ( <b>FO</b> ) Please refer to this additional related information: SP 284 - 065, XE Package, Mass Base Variable Torque Option, by clicking <a href="#">here</a> . |
| Solution visibility                      | <a href="#">Dealer distribution</a>                                                                                                                               |
| <b>Function(s)/component(s) affected</b> |                                                                                                                                                                   |
| Function affected                        | Turbocharger , 1 1 0 EMS , MID 128 – EMS , EECU , Diagnostic tool                                                                                                 |
| <b>Function Group</b>                    |                                                                                                                                                                   |
| Function Group                           | 255 turbocharger , 2841 Electronic Control Unit                                                                                                                   |
| <b>Customer effect</b>                   |                                                                                                                                                                   |
| Main customer effect                     | calibration/programming/pairing/missing operation , diagnostics/methodology , fault code/display                                                                  |
| <b>Fault code(s)</b>                     |                                                                                                                                                                   |
| OBD 2013 Diagnostic Trouble Codes        | P226C                                                                                                                                                             |
| <b>Conditions</b>                        |                                                                                                                                                                   |
| Vehicle operating mode                   | when driving , when stationary                                                                                                                                    |
| Frequency of occurrence of problem       | random                                                                                                                                                            |
| <b>Administration</b>                    |                                                                                                                                                                   |
| Author                                   | ut01793                                                                                                                                                           |
| Last modified by                         | RU4469V                                                                                                                                                           |
| Creation date                            | 23-06-2016 19:06                                                                                                                                                  |
| Date of last update                      | 26-02-2018 19:02                                                                                                                                                  |
| Status                                   | Published                                                                                                                                                         |
| <b>NA_VOLVO_Vehicle_Range</b>            |                                                                                                                                                                   |
| <b>NA_VOLVO_Vehicle_Range</b>            | Conventional , VNX , VNL , VNM , VHD , VAH                                                                                                                        |
| <b>Engine family</b>                     |                                                                                                                                                                   |
| Engine family                            | Volvo , 13L Engine                                                                                                                                                |
| <b>Emission Standard</b>                 |                                                                                                                                                                   |
| Emission Standard                        | US16 , US15                                                                                                                                                       |

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